

What is claimed is:

1. A solid electrolytic capacitor comprising a capacitor element (2) which includes an anode foil (4) and a cathode foil (5) rolled with a separator (6) interposed therebetween, and a layer of a solid electrolyte or an electrically conductive polymer provided therein, wherein the cathode foil (5) is coated with a film of a titanium-containing compound metal nitride.

2. A solid electrolytic capacitor as set forth in claim 1, wherein the titanium-containing compound metal nitride is selected from the group consisting of aluminum titanium nitride, chromium titanium nitride, zirconium titanium nitride and titanium carbonitride.

3. A solid electrolytic capacitor comprising a capacitor element (2) which includes an anode foil (4) and a cathode foil (5) rolled with a separator (6) interposed therebetween, and a layer of a solid electrolyte or an electrically conductive polymer provided therein, the cathode foil (5) being coated with a film comprising a titanium nitride layer, wherein the film further comprises a titanium layer underlying the titanium nitride layer on the cathode foil (5).

4. A solid electrolytic capacitor as set forth in claim 1, wherein the electrolyte provided in the capacitor

element (2) is an electrically conductive polythiophene polymer.

5. A solid electrolytic capacitor as set forth in claim 3, wherein the electrolyte provided in the capacitor element (2) is an electrically conductive polythiophene polymer.